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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : M. Diab ) Group Art Unit 3736  
Appl. No. : 09/471,510 )  
Filed : December 23, 1999 )  
For : PLETHYSMOGRAPH PULSE )  
RECOGNITION PROCESSOR )  
Examiner : M. Kremer )

I hereby certify that this correspondence and all  
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Patent and Trademark Office, P.O. Box 2327,  
Arlington, VA 22202, on

April 11, 2002  
(Date)

Stephen C. Jensen, Reg. No. 55,556

AMENDMENT AND RESPONSE

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202  
ATTENTION BOX: AF

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Dear Sir:

In response to the Office Action dated February 13, 2002, Applicant respectfully submits  
the following amendments and comments.

IN THE CLAIMS:

Please amend the claims as follows:

Please cancel Claims 1, 5-7, 10, 12 and 15 without prejudice.

1. (Amended) A processor having a plethysmograph waveform input resulting from  
light attenuated by body tissue with pulsing blood and a pulse recognition output providing  
information regarding pulses within said waveform input, said processor comprising:

a candidate pulse portion that determines a plurality of potential pulses within said  
waveform input;

a physiological model portion that determines the physiologically acceptable ones  
of said pulses; and

a portion that determines statistics of pulses with said waveform input.

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